

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No. : 10/775,840 Confirmation No. 1645
Applicants : Carey John Naquin,
John R. Hardin, Jr.,
Chris Maranuk,
Jim Estep,
David Rios-Aleman, and
Haoshi Song
Filed : February 10, 2004
TC/A.U. : 3672
Examiner : Thomas S. Bomar

Title : Apparatus for Changing Wellbore Fluid Temperature
Docket No. : 1391-46000
Client Ref. No. : 2003-IP-011711 USA
Customer No. : 23505

Date : January 19, 2007

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

REPLY TO OFFICE ACTION DATED OCTOBER 23, 2006

Sir:

Please amend the above-identified application as follows.

Amendments to the Claims are reflected in the listing of the claims that begins on page 2 of this paper.

Remarks begin on page 12 of this paper.